

PAIDC

QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>091674822</u>	Prepared by <u>N.H.</u>	Tracking Number <u>05875647</u>	
Examiner-GAU <u>Rosenberger-2877</u>	Date <u>2-2-4</u>	Week Date <u>12/15/03</u>	
	No. of queries <u>1</u>	<u>IFW</u>	

## JACKET

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	<u>r. Abstract</u>
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

## SPECIFICATION

- a. Page Missing
- b. Text Continuity
- c. Holes through Data
- d. Other Missing Text
- e. Illegible Text
- f. Duplicate Text
- g. Brief Description
- h. Sequence Listing
- i. Appendix
- j. Amendments
- k. Other

## CLAIMS

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
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- k. Other

## MESSAGE

No abstract in file. Please supply.

Thank you

initials N.H.

## RESPONSE

corrected

initials

### ABSTRACT OF THE DISCLOSURE

A method and apparatus for surface measurement using the shadow moire effect with the Talbot effect. The apparatus includes a specimen mount to receive a specimen having a surface to be measured, and a reference grating mounted adjacent to the specimen mount so as to be substantially parallel to a mean surface plane of the specimen. The reference grating is mounted in such a manner that the distance between the reference grating and the mean surface plane of the specimen can be adjusted to a Talbot distance  $\delta T$ . The apparatus also includes a light source to illuminate the specimen through the grating and a detector positioned to detect the moire fringes produced by the grating due to variation of the surface of the specimen.